

## EAST Search History

| Ref # | Hits | Search Query  | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--------------------|------------------|---------|------------------|
| S1    | 50   | (US-20050269903-\$).did. or<br>(US-4549126-\$ or US-6005324-\$<br>or US-6013963-\$ or US-4373147-\$<br>or US-4375047-\$ or US-4998865-\$<br>or US-5185545-\$ or US-5471104-\$<br>or US-5907208-\$ or US-6104185-\$<br>or US-6121745-\$ or US-6236177-\$<br>or US-4079297-\$ or US-4127799-\$<br>or US-4251758-\$ or US-4266176-\$<br>or US-4274291-\$ or US-4382693-\$<br>or US-4409526-\$ or US-4462263-\$<br>or US-4517477-\$ or US-4531072-\$<br>or US-4564796-\$ or US-4764714-\$<br>or US-4774448-\$ or<br>US-4788484-\$).did. or<br>(US-4795953-\$ or US-4861125-\$<br>or US-4868468-\$ or US-4897583-\$<br>or US-4967122-\$ or US-5006772-\$<br>or US-5006776-\$ or US-5012170-\$<br>or US-5053688-\$ or US-5182499-\$<br>or US-5209650-\$ or US-5221881-\$<br>or US-5260635-\$ or US-5278482-\$<br>or US-5294874-\$ or US-5294877-\$<br>or US-5301116-\$ or US-5306988-\$<br>or US-5311108-\$ or US-5315200-\$<br>or US-5334919-\$ or US-5347277-\$<br>or US-5376870-\$).did. | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/18 10:02 |
| S2    | 50   | S1 and stator   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/17 14:03 |
| S3    | 1    | S2 and piezo\$  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/17 14:03 |
| S4    | 178  | piezo\$ adj motor and stator  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/17 14:08 |
| S5    | 126  | piezo\$ adj motor and stator and<br>(bend or arc or deflect or shift)   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/17 14:18 |
| S6    | 46   | piezo\$ adj motor same (bend or<br>bow or arc)  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/17 14:46 |
| S7    | 161  | "323.12" or "323.16"  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/18 09:40 |
| S8    | 28   | (asymmetric or dissymmetric) and<br>S7  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/17 15:18 |
| S9    | 20   | "4642509"   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/17 15:18 |
| S10   | 1    | "4642509".pn.   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/17 15:19 |
| S11   | 1    | "5162692".pn.   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/09/17 15:19 |

## EAST Search History

|     |     |   |                              |    |    |                  |
|-----|-----|---|------------------------------|----|----|------------------|
| S12 | 579 | "323.12" or "323.16" or "323.01" or "323.02" or "323.03" or "323.04" or "323.19" or "323.20" or "323.21" or "323.22" or "323.23"  | US-PGPUB;<br>USPAT           | OR | ON | 2007/09/18 09:53 |
| S13 | 50  | (US-20050269903-\$).did. or (US-4549126-\$ or US-6005324-\$ or US-6013963-\$ or US-4373147-\$ or US-4375047-\$ or US-4998865-\$ or US-5185545-\$ or US-5471104-\$ or US-5907208-\$ or US-6104185-\$ or US-6121745-\$ or US-6236177-\$ or US-4079297-\$ or US-4127799-\$ or US-4251758-\$ or US-4266176-\$ or US-4274291-\$ or US-4382693-\$ or US-4409526-\$ or US-4462263-\$ or US-4517477-\$ or US-4531072-\$ or US-4564796-\$ or US-4764714-\$ or US-4774448-\$ or US-4788484-\$).did. or (US-4795953-\$ or US-4861125-\$ or US-4868468-\$ or US-4897583-\$ or US-4967122-\$ or US-5006772-\$ or US-5006776-\$ or US-5012170-\$ or US-5053688-\$ or US-5182499-\$ or US-5209650-\$ or US-5221881-\$ or US-5260635-\$ or US-5278482-\$ or US-5294874-\$ or US-5294877-\$ or US-5301116-\$ or US-5306988-\$ or US-5311108-\$ or US-5315200-\$ or US-5334919-\$ or US-5347277-\$ or US-5376870-\$).did. | US-PGPUB;<br>USPAT           | OR | ON | 2007/09/18 09:53 |
| S14 | 0   | S12 and S13 and plane   | US-PGPUB;<br>USPAT           | OR | ON | 2007/09/18 09:53 |
| S15 | 79  | S12 and asymmetric  | US-PGPUB;<br>USPAT           | OR | ON | 2007/09/18 10:03 |
| S17 | 0   | S13 and asymmetric  | US-PGPUB;<br>USPAT           | OR | ON | 2007/09/18 10:04 |
| S18 | 0   | S12 and S13   | US-PGPUB;<br>USPAT           | OR | ON | 2007/09/18 10:04 |
| S19 | 629 | S12 or S13  | US-PGPUB;<br>USPAT           | OR | ON | 2007/09/18 10:04 |
| S21 | 79  | S19 and asymmetric  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/09/18 10:04 |